

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled)

Claim 14 (Currently Amended): An information storage medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, the information storage medium comprising:

a data area configured to be assigned with a plurality of logical sectors and to store:

the video object data, and

a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and

a control information recording area configured to store said control information, the control information being configured to manage the video object data and including an AV file information table having a first ~~table~~ area configured to store object stream information, and a second ~~table~~ area configured to store AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data;~~ and a plurality of object information search pointers associated with the plurality of object information, each said object information including information of object units of the video object data, wherein:

said video object data is configured to be recorded, based on a given address, in at least one of the object units,

an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,

said given address is defined using a logical sector number of one of said logical sectors, and an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple of said sectors,

said error correction code block address being defined separately from said logical sector number,

each object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more data unit entries, and

each time entry includes address information of a corresponding data unit of the video object data,

wherein said recording/reproducing apparatus employs the control information to manage the video object data.

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium including:

a data area configured to be assigned with a plurality of logical sectors and to store:

video object data, and

a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first table area configured to store object stream information, and a second

table area configured to store AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data~~, and a plurality of object information search pointers associated with the plurality of object information, each said object information including information of object units of the video object data, wherein:

said video object data is configured to be recorded, based on a given address, in at least one of the object units,

an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,

said given address is defined using a logical sector number of one of said logical sectors, and an error correction code block address being defined in units of the error correction code block ~~corresponds to an integer multiple of said sectors~~,

said error correction code block address being defined separately from said logical sector number,

each object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more data unit entries, and

each time entry includes address information of a corresponding data unit of the video object data,

the information recording method comprising:

recording the object into the data area; and

recording the control information, including the plurality of object information, into the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing information recorded on an information storage medium that includes,

a data area configured to be assigned with a plurality of logical sectors and including:

video object data, and

a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area including object stream information, and a second ~~table~~ area including AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, each said object information including information of object units of the video object data, wherein:

said video object data is recorded, based on a given address, in at least one of the object units,

an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,

said given address is defined using a logical sector number of one of said logical sectors and an error correction code block address being defined in units of the error correction code block ~~corresponds to an integer multiple of said sectors,~~

said error correction code block address being defined separately from said logical sector number,

each object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more data unit entries, and

each time entry includes address information of a corresponding data unit of the video object data,

the information reproducing method comprising:

reproducing the video object data from the data area; and

reproducing the control information, including the plurality of object information, from the control information recording area.

Claim 17 (Currently Amended): An information reproducing apparatus for reproducing information recorded on an information storage medium that includes

a data area configured to be assigned with a plurality of logical sectors and including:

video object data, and

a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area including object stream information, and a second ~~table~~ area including AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, each said object information including information of object units of the video object data, wherein:

said video object data is recorded, based on a given address, in at least one of the object units,

an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,

said given address is defined using a logical sector number of one of said logical sectors, and an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple of said sectors,

said error correction code block address being defined separately from said logical sector number,

each object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more data unit entries, and

each time entry includes address information of a corresponding data unit of the video object data,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce video object data from the data area; and

a second reproducer configured to reproduce the control information, including the plurality of object information, from the control information recording area.